

IN THE U.S. PATENT AND TRADEMARK OFFICE

Appl. No. :  
Applicant : Xiao et. al.  
Filed : Herewith  
TC/AU :  
Examiner :  
  
Docket No. : 904.0101.U2(US)  
Customer No. : 29683  
  
Title : REDUCTION OF NOISE, AND OPTIMIZATION OF MAGNETIC FIELD  
SENSITIVITY AND ELECTRICAL PROPERTIES IN MAGNETIC TUNNEL  
JUNCTION DEVICES

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

Please amend the above-identified application as follows.

**Amendments to the Specification** begins on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 3 of this paper.

**Amendments to the Drawings:** are reflected at page 6 of this paper and as thirteen pages of formal drawings appended hereto.

**Remarks** begin on page 7 of this paper.

**Appendix:** Fourteen pages of formal drawings are included.

This preliminary amendment includes 7 numbered text pages and 14 drawing pages appended hereto. The Patent Office is authorized to credit and/or debit Deposit Account No. 50-1924, for this application, in the amount of any required fees that may be due and for any required fee discrepancy.